

# Product Datasheet

## CD36 Antibody (SM0)

**NB100-65522**

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NB100-65522**

CD36 Antibody (SM0)

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SM0
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgM
<b>Purity</b>	Ammonium sulfate precipitation
<b>Buffer</b>	Phosphate Buffered Saline

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	948
<b>Gene Symbol</b>	CD36
<b>Species</b>	Human
<b>Marker</b>	Endothelial Cell Marker
<b>Specificity/Sensitivity</b>	NB100-65522 recognizes the CD36 antigen, an 88kD cell surface glycoprotein expressed by platelets, monocytes/macrophages and also by some microvascular endothelium and erythroid precursors. CD36 is the receptor for thrombospondin. When expressed by monocytes and macrophages, CD36 acts as a receptor for oxidized LDL and for apoptotic polymorphonuclear cells. NB100-65522 partially inhibits collagen induced platelet aggregation and macrophage ingestion of apoptotic human neutrophils. It has been reported that this antibody may activate platelets as measured by fibrinogen binding, P-Selectin expression and Annexin V binding - for further details please contact our Technical Services team. This clone is also reported to block interaction of oxidised low-density lipoprotein (OXLDL) with CD36.
<b>Immunogen</b>	Human tonsil cells and peripheral blood mononuclear cells.

**Product Application Details**

<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation (Negative), Western Blot (Negative)
<b>Recommended Dilutions</b>	Flow Cytometry 1:10-1:20, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Western Blot (Negative), Immunoprecipitation (Negative)
<b>Application Notes</b>	For Flow Cytometry: Use 10 $\mu$ l of the suggested working dilution to label $10^6$ cells or 100 $\mu$ l whole blood.



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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Primary Antibodies are guaranteed for 1 year from date of receipt.

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